

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	11	porous near5 mullite near5 bodies near5 methods	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 13:03
S2	752	501/80.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/23 15:11
S3	1047	501/128.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/23 15:11
S4	1761	S2 S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/23 15:11
S5	4	S4 and ((pore or porous) same mullite same acicular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 10:53
S6	752	501/80.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 10:54
S7	1047	501/128.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 10:54
S8	1761	S6 S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 10:54
S9	157	S8 and ("Ce" or "Pr" or "Nd" or "Sm" or "Eu" or "Gd" or "Tb" or "Dy" or "Ho" or "Er" or "Tm" or "Yb" or "Lu" or "B" or "Y" or "Sc" or "La") same mullite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 10:56

## EAST Search History

S10	11	porous near5 mullite near5 bodies near5 methods	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 10:56
S11	4	S8 and ((pore or porous) same mullite same acicular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 10:56
S12	154	S9 NOT (S10 S11)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 11:20
S13	9	(("6919103") or ("5279737") or ("5702761") or ("5928775")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/26 11:25
S14	4	S13 and mullite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 11:21
S15	2	(diesel near5 (filter or absorber)) same (mullite near5 porous) same acicular	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 16:38
S16	4	(("5098455") or ("20010032459")). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/26 11:46
S17	2	S16 and mullite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 11:46
S18	2	S16 and mullite and porous	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 11:46
S19	23	("5098455").URPN.	USPAT	OR	ON	2007/03/26 16:36
S20	7	S19 and mullite same porous	USPAT	OR	ON	2007/03/26 12:15
S21	2	S19 and mullite same porous same acicular	USPAT	OR	ON	2007/03/26 13:51

## EAST Search History

S22	2	("20010038810").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/26 13:51
S23	2	(diesel near5 (filter or sorber)) same (mullite near5 porous) same acicular	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 16:44
S24	4	((diesel or cataly\$5) near5 (filter or sorber)) same (mullite near5 porous) same acicular	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 16:45
S25	1	((diesel or cataly\$5) near5 (filter or sorber)) same (mullite near5 porous) same ("Ce" or "B" or "Y" or "Nd" or boron or neodymium or yttrium or cerium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 17:19
S26	51	(mullite near5 porous) same ("Ce" or "B" or "Y" or "Nd" or boron or neodymium or yttrium or cerium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 18:08
S27	4	(("6306335") or ("4910172")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/26 17:11
S28	46	((("6306335") or ("4910172") or ("6764742") or ("5145806") or ("4911902") or ("4948766") or ("5098455") or ("5194154") or ("5198007") or ("5173349") or ("5252272") or ("5294576") or ("4293357") or ("4304585") or ("4559193") or ("4608357") or ("4628042") or ("4893465") or ("5340516") or ("5437933") or ("5504051") or ("5145806") or ("5294576") or ("4293367") or ("4304585") or ("4559193") or ("4608357") or ("4628042") or ("4988766") or ("4893465") or ("5340516") or ("5437933") or ("5504051") or ("6306335")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/26 17:18

## EAST Search History

S29	19	S28 and mullite same porous	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 17:18
S30	2	S28 and (mullite near5 porous) same ("Ce" or "B" or "Y" or "Nd" or boron or neodymium or yttrium or cerium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 17:19
S31	223	thermal near5 shock near5 factor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 18:09
S32	17	thermal adj shock adj factor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 18:12
S33	3	(thermal adj shock adj factor) same mullite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 18:09
S34	3	(thermal adj shock adj factor) and mullite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 18:13
S35	749	catalytic adj convertor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 18:13
S36	15	(catalytic adj convertor) and mullite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/26 18:13
S37	2	("4935390").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/27 08:01
S38	6	("4587225"   "4595665").PN. OR ("4935390").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 08:36

## EAST Search History

S39	1305	60/297.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/27 08:36
S40	783	502/202.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/27 08:37
S41	2416	422/177.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/27 08:39
S42	938	502/407.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/27 08:39
S43	220	502/411.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/27 08:39
S44	205	502/423.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/27 08:39
S45	280	502/427.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/27 08:40
S46	5916	S39 S40 S41 S42 S43 S44 S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/27 08:40
S47	283	S46 and mullite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:46
S48	51	S46 and (mullite near50 (porous or pore))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:46

## EAST Search History

S49	11	porous near5 mullite near5 bodies near5 methods	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/27 08:44
S50	4	(("5098455") or ("20010032459")). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/27 08:44
S51	2	S50 and mullite and porous	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/27 08:44
S52	2	("20010038810").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/27 08:44
S53	2	(diesel near5 (filter or sorber)) same (mullite near5 porous) same acicular	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/27 08:44
S54	4	((diesel or cataly\$5) near5 (filter or sorber)) same (mullite near5 porous) same acicular	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/27 08:44
S55	46	S48 NOT (S37 S38 S49 S51 S52 S53 S54)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/27 08:44
S56	34	"5194154"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 11:08
S57	14	(("5194154") or ("5198007") or ("5172249") or ("4911902") or ("5252272") or ("4948766") or ("4910172")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/30 11:16
S58	16	(("5194154") or ("5198007") or ("5172249") or ("4911902") or ("5252272") or ("4948766") or ("4910172") or ("3993449")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/30 11:16

## EAST Search History

S59	1	S58 and (fluorine near5 gas)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 11:17
S60	44	(("4293357") or ("4304585") or ("4559193") or ("4608357") or ("4628042") or ("4893465") or ("5340516") or ("5437933") or ("5504051") or ("6300335") or ("6764742") or ("5145806") or ("4910172") or ("4911902") or ("4948766") or ("5098455") or ("5194154") or ("5198007") or ("5173349") or ("5252272") or ("5145806") or ("5294576") or ("4293367") or ("4304585") or ("4559193") or ("4608357") or ("4628042") or ("4893465") or ("4948766") or ("5340516") or ("5437933")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/30 15:17
S61	0	S60 and (iron or "Fe") same (magnesium or "Mg")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:24
S62	0	S60 and (niobium or "Nb") same (magnesium or "Mg")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:30
S63	0	S60 and ("Nb/Mg" or "Fe/Mg")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:30
S64	2	S60 and talc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:28
S65	0	S60 and (niobium or "Nb") same (magnesium or "Mg")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:30
S66	0	S60 and ("Nb/Mg" or "Fe/Mg")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:36

## EAST Search History

S67	494	mullite with talc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:37
S68	7	mullite with talc with ((needle-like or (needle near like)) or acicular or honeycomb or (honey near comb))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:58
S69	1321	60/297.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:47
S70	783	502/202.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:47
S71	2428	422/177.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:47
S72	944	502/407.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:47
S73	222	502/411.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:47
S74	206	502/423.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:47
S75	280	502/427.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:47
S76	5951	S69 S70 S71 S72 S73 S74 S75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:47

## EAST Search History

S77	0	S76 and (mullite near50 (porous or pore or pores)) with talc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:47
S78	0	S76 and (mullite near50 (porous or pore or pores)) with ("Nb/Mg" or "Fe/Mg")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:48
S79	9	S76 and (mullite near50 (porous or pore or pores)) with (niobium or magnesium or iron)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 15:49
S80	4	("4329162").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/30 16:21
S81	0	S80 and mullite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 16:21
S82	0	S80 and porous near ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 16:21
S83	22	(S60 or S80) and ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 17:14
S84	985516	(neodymium or "Nd")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 17:16
S85	112472	(neodymium or "Nd") same (magnesium or "Mg")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 17:15
S86	31566	neodymium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 17:16

## EAST Search History

S87	600691	magnesium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 17:16
S88	3174	neodymium with magnesium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 17:16
S89	30	neodymium with magnesium with mullite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 08:24
S90	12	neodymium with magnesium with filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 17:23
S91	310	iron with magnesium with filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 17:23
S92	2	iron with magnesium with filter with mullite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 08:23
S93	24	mullite near10 neodymium near10 magnesium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 08:26
S94	1	mullite near10 ("Nd/Mg" or "Fe/Mg")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 08:26
S95	10	("3483138").URPN.	USPAT	OR	ON	2007/05/01 08:34
S96	0	S95 and mullite near10 neodymium near10 magnesium	USPAT	OR	ON	2007/05/01 08:35
S97	0	S95 and mullite near10 neodymium	USPAT	OR	ON	2007/05/01 08:35
S98	5	S95 and mullite	USPAT	OR	ON	2007/05/01 08:35
S99	4	S95 and mullite and neodymium and magnesium	USPAT	OR	ON	2007/05/01 09:19

## EAST Search History

S10 0	2	("20010038810").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/01 09:19
S10 1	0	("2001/0038810").URPN.	USPAT	OR	ON	2007/05/01 09:31
S10 2	2	("5206202").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/01 09:31
S10 3	0	S102 and mullite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 09:32
S10 4	673408	S102 and alumina or silica or zeolite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 09:32
S10 5	1	S102 and (alumina or silica or zeolite)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 09:32
S10 6	1	S102 and (alumina or silica or zeolite) and iron	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 09:33
S10 7	0	S102 and (alumina or silica or zeolite) and iron and magnesium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 09:32
S10 8	1516	catalyst near10 iron near10 magnesium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 09:34
S10 9	0	catalyst near10 iron near10 magnesium near20 mullite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 09:35

## EAST Search History

S11 0	207	catalyst near10 iron near10 magnesium near20 (silica or alumina)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 09:36
S11 1	0	(filter same catalyst) near10 iron near10 magnesium near20 (silica or alumina)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 09:35
S11 2	0	(catalyst near10 iron near10 magnesium near20 (silica or alumina)) same mullite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 09:36
S11 3	0	(catalyst near10 iron near10 magnesium near20 (silica or alumina)) and mullite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 09:36
S11 4	0	mullite and (catalyst near10 iron near10 magnesium near20 (silica or alumina))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 09:36
S11 5	26	mullite and (catalyst near10 iron near10 magnesium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 10:38
S11 6	14	mullite same mg same fe same catalyst	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 11:03
S11 7	3	mullite same mg same fe same exhaust	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 11:03
S11 8	0	jp-6380852-.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 13:04
S11 9	0	jp-63-80852-.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 13:03

## EAST Search History

S12 0	0	jp-86380852-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 13:04
S12 1	2	jp-63080852-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/01 13:06